

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known

Application Number 09/899,815	Confirmation No. 9643
Filing Date	July 9, 2001
First Named Inventor	Lars LANNFELT
Group Art Unit	1645
Examiner Name	
Attorney Docket Number	LANNFELT=1A

Sheet 1 of 4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number known	Kind Code ² (if known)			
oe	AA	5 8 5 4 2 0 4		FINDEIS, et al.	12-29-1998	

FOREIGN PATENT DOCUMENTS

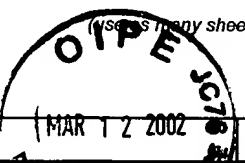
Examiner Initials*	Cite No. ¹	U.S. Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ⁵ (if known)				
oe	AB	WO	9 5 1 1 9 9 4	A1	ATHENA NEUROSCIENCES, INC.	05-04-1995		
oe	AC	WO	9 5 3 1 9 9 6	A1	MILKHAUS LABORATORY	11-30-1995		
oe	AD	WO	9 9 2 7 9 4 4	A1	ATHENA NEUROSCIENCES, INC.	06-10-1999		
oe	AE	WO	0 0 3 9 3 1 0	A1	THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION INC.	07-06-2000		
oe	AF	WO	0 0 7 2 8 7 6	A2	NEURALAB LIMITED	12-07-2000		

Examiner Signature	<i>Chang</i>	Date Considered	10/30/02
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2	MAR 12 2002	of 4	Attorney Docket Number	LANNFELT=1A

OTHER PRIOR ART- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
OC	AG	SCHENK, et al., Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP, Letters to Nature, 400:173-177 (July 8, 1999)	
OC	AH	ST. GEORGE-HYSLOP, et al., Genetic linkage studies suggest that Alzheimer's disease is not a single homogeneous disorder, Letters to Nature, 347:194-197 (Sept. 13, 1990)	
OC	AI	WIRAK, et al., Deposits of Amyloid β Protein in the Central Nervous System of Transgenic Mice, Science, 253:323-325 (July 19, 1991)	
OC	AJ	ST. GEORGE-HYSLOP, et al., The Genetic Defect Causing Familial Alzheimer's Disease Maps on Chromosome 21, Science, 235:885-890 (Feb. 20, 1987)	
OC	AK	WALSH, et al., Amyloid β -Protein Fibrillogenesis, The Journal of Biological Chemistry, 272(35):22364-22372 (Aug 29, 1997)	
OC	AL	WEIDEMANN, et al., "Identification, Biogenesis, and Localization of Precursors of Alzheimer's Disease A4 Amyloid Protein, Cell 57:115-126 (April 7, 1989)	
OC	AM	GIULIAN, et al., The HHQK Domain of β -Amyloid Provides a Structural Basis for the Immunopathology of Alzheimer's Disease, The Journal of Biological Chemistry, 273(45):29719-29726 (Nov. 6, 1998)	
Not present	AN	SHERRINGTON, et al., Cloning of a gene bearing missense mutations in early-onset familial Alzheimer's disease, Nature, 376:754-760 (June 29, 1995)	
OC	AO	PALMERT, et al., The β -amyloid protein precursor of Alzheimer disease has soluble derivatives found in human brain and cerebrospinal fluid, Proc. Natl. Acad. Sci. USA, 86:6338-6342 (Aug. 1989)	
OC	AP	LEVY, et al., Mutation of the Alzheimer's Disease Amyloid Gene in Hereditary Cerebral Hemorrhage, Dutch Type, Science, 248:1124-1126 (June 1, 1990)	
Not present	AQ	SUZUKI, et al., An Increased Percentage of Long Amyloid β Protein Secreted by Familial Amyloid β Protein Precursor (βAPP₇₁₁) Mutants, Science, 264:1336-1340 (May 27, 1994)	
OC	AR	CONWAY, et al., Acceleration of oligomerization, not fibrillization, is a shared property of both α -synuclein mutations linked to early-onset Parkinson's disease: Implications for pathogenesis and therapy, PNAS, 97(2):571-576 (Jan. 18, 2000)	

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Sheet 3 of 4	Attorney Docket Number	LANNFELT=1A	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
OC	AS	MULLAN, et al., A pathogenic mutation for probable Alzheimer's disease in the APP gene at the N-terminus of β -amyloid, Nature Genetics, 1:345-347 (Aug. 1992)	
OC	AT	HENDRIKS, et al., Presenile dementia and cerebral haemorrhage linked to a mutation at codon 692 of the β -amyloid precursor protein gene, Nature Genetics, 1:218-221 (June 1992)	
OC	AU	DE JONGHE, et al., Flemish and Dutch Mutations in Amyloid β Precursor Protein Have Different Effects on Amyloid β Secretion, Neurobiology of Disease, 5:281-286 (accepted for publ., Aug. 19, 1998)	
OC	AV	KAMINO, et al., Linkage and Mutational Analysis of Familial Alzheimer Disease Kindreds for the APP Gene Region, Am. J. Hum. Genet. 51:998-1014 (revision received July 24, 1992)	
OC	AW	CITRON, et al., Mutant presenilins of Alzheimer's disease increase production of 42-residue amyloid β -protein in both transfected cells and transgenic mice, Nature Medicine, 3(1):67-72 (January 1997)	
OC	AX	FORSELL, et al., Amyloid precursor protein mutation at codon 713 (Ala - Val) does not cause schizophrenia: non-pathogenic variant found at codon 705 (silent), Neuroscience Letters, 184:90-93 (accepted Nov. 18, 1994)	
OC	AY	HARDY, Amyloid, the presenilins and Alzheimer's disease, Trends Neurosci., 20(4):154-159 (1997)	
OC	AZ	GRABOWSKI, et al., Novel Amyloid Precursor Protein Mutation in an Iowa Family with Dementia and Severe Cerebral Amyloid Angiopathy, Ann. Neurol., 49:697-705 (published online March 19, 2001)	
OC	BA	SCHEUNER, et al., Secreted amyloid β -protein similar to that in the senile plaques of Alzheimer's disease is increased <i>in vivo</i> by the presenilin 1 and 2 and APP mutations linked to familial Alzheimer's disease, Nature Medicine, 2(8):864-870 (Aug. 1996)	
OC	BB	SERPELL, Alzheimer's amyloid fibrils: structure and assembly, Biochimica et Biophysica Acta, 1502:16-30 (accepted Nov. 24, 1999)	
OC	BC	HARPER, et al., Assembly of A β Amyloid Protofibrils: An in Vitro Model for a Possible Early Event in Alzheimer's Disease, Biochemistry, 38:8972-8980 (published online June 18, 1999)	
OC	BD	BACSKAI, et al., Imaging of amyloid- β deposits in brains of living mice permits direct observation of clearance of plaques with immunotherapy, Nature Medicine, 7(3):369-372 (March 2001)	

Examiner Signature	<i>Thompson</i>	Date Considered	10/30/02
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oe	BE	FRENKEL, et al., Immunization against Alzheimer's β -amyloid plaques via EFRH phage administration, PNAS, 97(21):11455-11459 (Oct. 10, 2000)	
oe	BF	BARD, et al., Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease, Nature Medicine, 6(8):916-919 (Aug. 2000)	
oe	BG	MORGAN, et al., A β peptide vaccination prevents memory loss in an animal model of Alzheimer's disease, Nature, 408:982-985 (Dec. 2000)	
oe	BH	JANUS, et al., A β peptide immunization reduces behavioural impairment and plaques in a model of Alzheimer's disease, Nature, 408:979-982 (Dec. 2000)	
oe	BI	CHEN, et al., A learning deficit related to age and β -amyloid plaques in a mouse model of Alzheimer's disease, Nature, 408:975-978 (Dec. 2000)	

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